



**Missouri Department of Natural Resources**  
**Hickory Creek - WBID 0588**  
**Tributary to Hickory Creek - WBID 0589**  
**Aquatic Invertebrate Monitoring by MoDNR 2006-07**

Org	Site	Stream	Date	Score
MoDNR	1	Hickory Cr. -0588	Fall 2006	20
MoDNR	2	Hickory Cr. -0588	Fall 2006	20
MoDNR	3	Hickory Cr. -0588	Fall 2006	16
MoDNR	1	Hickory Cr. -0588	Spring 2007	20
MoDNR	1	Hickory Cr. -0588	Spring 2007	18
MoDNR	2	Hickory Cr. -0588	Spring 2007	16
MoDNR	3	Hickory Cr. -0588	Spring 2007	16
MoDNR	4	Trib. Hickory Cr. - 0589	Spring 2007	12

Site 1: NE Sec. 29, 60N,24W

Site 2: SW Sec.24, 60N,25W

Site 3: NE Sec.16, 60N, 25W

Site 4: Section 15/16 line, 60N,25W

The Missouri Department of Natural Resources collected and analyzed aquatic invertebrate samples. Staff followed the department's Environmental Services Program's written standard operating methods contained in "Semi-Quantitative M. Macroinvertebrate Stream Bioassessment" by R. Sarver, 2003. Invertebrate communities are judged to be impaired if the percent of sampling sites receiving a score of 16 or more is significantly less than for reference streams in the same ecological drainage unit. Scores of 16 or more are considered to reflect unimpaired macroinvertebrate communities.

Reference streams in this ecological drainage unit score 16 or higher on 79.5 percent of all samples. For Hickory Creek, seven of seven samples, or 100 percent, scored 16 or higher. This is a higher percentage than the reference streams in this ecological drainage unit. Thus, Hickory Creek is judged to have an **unimpaired** aquatic invertebrate community. The one sample from Tributary to Hickory Creek is judged to be inadequate to make a determination of the status of the invertebrate community of this creek. It is small than all the sites sampled on Hickory Creek. Additional invertebrate sampling of this tributary is recommended.

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